

Page 18, paragraph 39, after the words “The hydraulic power source provides fluid power as a means of propulsion for the four wheels”, insert --, or surface contact propulsion assemblies,--.

Page 21, paragraph 48, after the words “The adjustable frame pivots on an axis that is”, insert –somewhat--. The next words in the paragraph are “perpendicular to the shaft. This axis always remains perpendicular to the shaft”, then delete “.”, and then insert—or is held in a fixed position in relation to the shaft.--.

Page 37, paragraph 108, after the words “track type vehicle”, insert -- propulsion assembly--.

Claims:

Claims 1-20 (cancelled).

Claim 21 (new).

I claim:

A method of working a surface in situ, said surface in situ consisting of a material, comprising the steps of;

providing a motive source having a means of turning with a zero turning radius on said surface,

providing a tool carrier assembly comprising,

providing a depth guide comprising,

providing a ground contact surface,

providing a depth guide axis about which said ground contact surface rotates,

providing a means of retaining said ground contact surface and said depth guide axis in a somewhat fixed relation to one another,

providing an earthworking tool,

providing a means of retaining said earthworking tool in a somewhat fixed position relative to said depth guide axis, about which said ground contact surface rotates,

providing a means of pivotably attaching said motive source to said tool carrier assembly, allowing said tool carrier assembly to rotate about a somewhat vertical axis,

rolling said ground contact surface in a direction on said surface in situ,

moving said material on said surface in situ with said earthworking tool,

maintaining said earthworking tool at a controlled height in relation to said surface in situ,

turning said motive source on said surface in situ with a zero turning radius,

moving said tool carrier assembly in a somewhat cyclonic or anticyclonic motion about said motive source as said motive source is turned on said surface in situ,

whereby said tool carrier assembly is propelled about on said surface in situ, changing direction on said surface in situ without disengaging said tool carrier assembly from the surface being worked, and turning in a somewhat cyclonic or anticyclonic motion, as the

earthworking tool moves the material on said surface in situ, while maintaining a controlled depth.

Claim 22 (new).

I claim:

The method of claim 21 further comprising;

providing a lift arm assembly on said motive source comprising;

providing a means of pivotably attaching said lift arm assembly to said motive source,

providing a means of applying upward or downward force on said lift arm assembly,

providing a means of connecting said lift arm assembly to said means of pivotably attaching said motive source to said tool carrier assembly, allowing said tool carrier assembly to rotate about a somewhat vertical axis,

whereby said lift arm assembly applies downward force on said tool carrier assembly, as said lift arm assembly is directed downward, the forward part of the motive source is tilted upward off the surface being worked.

Claim 23 (new).

I claim:

The method of claim 22 wherein said depth guide is a roller and means for rotating said roller about said depth guide axis.

Claim 24 (new).

I claim:

The method of claim 23, further providing a plurality of said roller.

Claim 25 (new).

I claim:

The method of claim 21 wherein said earthworking tool is a scraper blade,

moving said material on said surface in situ in a somewhat cyclonic or anticyclonic motion,

whereby said tool carrier assembly is propelled about said surface in situ, changing direction on said surface in situ without disengaging said tool carrier assembly from the surface being worked, and turning in a somewhat cyclonic or anticyclonic motion, as the scraper blade moves the material on said surface in situ, while maintaining a controlled depth, excess material moved along said surface is deposited in depressions in said surface in situ.

Claim 26 (new).

I claim:

The method of claim 25 wherein said depth guide is a roller and means for rotating said roller about said depth guide axis.

Claim 27 (new).

I claim:

The method of claim 26, further providing a plurality of said roller.

Claim 28 (new).

I claim:

The method of claim 22 wherein said earthworking tool is a scraper blade,

moving said material on said surface in situ in a somewhat cyclonic or anticyclonic motion,

whereby said tool carrier assembly is propelled about said surface in situ, changing direction on said surface in situ without disengaging said tool carrier assembly from the surface being worked, and turning in a somewhat cyclonic or anticyclonic motion, as the scraper blade moves the material on said surface in situ, while maintaining a controlled depth, excess material moved along said surface is deposited in depressions in said surface in situ.

Claim 29 (new).

I claim:

The method of claim 28 wherein said depth guide is a roller and means for rotating said roller about said depth guide axis.

Claim 30 (new).

I claim:

The method of claim 29, further providing a plurality of said roller.

Claim 31 (new).

I claim:

The method of claim 21, said tool carrier assembly further providing;

a means of controlling the depth of said earthworking tool from said surface in situ.

Claim 32 (new).

I claim:

The method of claim 24, said tool carrier assembly further providing;

a means of controlling the depth of said earthworking tool from said surface in situ.

Claim 33 (new).

I claim:

The method of claim 27, said tool carrier assembly further providing;

a means of controlling the depth of said earthworking tool from said surface in situ.

Claim 34 (new).

I claim:

A method of working a surface in situ comprising the steps of;

providing a motive source comprising;

providing a chassis comprising;

providing a left side of said chassis,

providing a right side of said chassis,

providing a forward end of said chassis,

providing a left side surface contact propulsion assembly on said chassis,

providing a right side surface contact propulsion assembly on said chassis,

providing a means of bilateral propulsion control comprising;

providing a means of selectively controlling the speed and direction of
said surface contact propulsion assembly on said left side,

providing a means of selectively controlling the speed and direction of
said surface contact propulsion assembly on said right side,

providing a support structure of predetermined length comprising;

a main body,

a proximal end,

a distal end,

providing a means of connecting said proximal end of said support structure to said
motive source,

providing a tool carrier assembly comprising;

providing a depth guide comprising;

providing a ground contact surface,

providing a depth guide axis about which said ground contact surface
rotates,

providing a means of retaining said ground contact surface and said depth guide axis in a somewhat fixed relation to one another,

providing an earthworking tool,

providing a means of retaining said earthworking tool in a somewhat fixed position relative to, said depth guide axis about which said ground contact surface rotates,

providing a means of pivotably connecting said tool carrier assembly to said distal end of said support structure comprising;

providing a means of pivotably connecting said tool carrier assembly to said support structure allowing said tool carrier assembly to rotate about a somewhat vertical axis,

moving said left side surface contact propulsion assembly at a determined speed and direction,

moving said right side surface contact propulsion assembly at a different speed and or direction than said left side surface contact propulsion assembly,

changing the direction of movement of said chassis on said surface in situ,

rotating said tool carrier assembly about said somewhat vertical axis,

moving said earthworking tool about said surface in situ at a controlled depth,

whereby the variably controlled speed and direction of the surface contact propulsion assembly is controlled by the bilateral control means, to steer the motive source and to control the speed of movement on the surface being worked.

Claim 35 (new).

I claim:

The method of claim 34 further providing;

providing a second means of pivotably connecting said tool carrier assembly and said support structure allowing said tool carrier assembly and said support structure to rotate in relation to one another about a somewhat horizontal axis,

providing a means of retaining said somewhat vertical axis and said somewhat horizontal axis in a somewhat fixed position relative to one another,

whereby said motive source is propelled about said surface in situ in a direction while the earthworking tool remains engaged with the surface in situ, even if the motive source encounters surface irregularities that cause it to rock from side to side while pivoting on a somewhat horizontal axis in relation to the tool carrier assembly, and is turned by a bilateral means of controlling the speed and direction of the motive source pivoting the tool carrier assembly about a vertical axis, as the surface contact propulsion assemblies propel the apparatus provides about the surface in situ.

Claim 36 (new).

I claim:

The method of claim 35 further providing a lift arm assembly and

a means of applying upward or downward force on said lift arm assembly,

a means for pivotably attaching said lift arm assembly to said motive source,

a means for attaching said lift arm assembly to said proximal end of said support structure,

forcing said lift arm assembly downward and

forcing said forward end of said motive source to tilt upward.

Claim 37 (new).

I claim:

The method of claim 36 wherein said earthworking tool is a scraper blade.

Claim 38 (new).

I claim:

The method of claim 37 wherein said depth guide is a roller and means of rotating said roller about said depth guide axis.

Claim 39 (new).

I claim:

The method of claim 38 further providing a plurality of said roller and plurality of said means of rotating said roller about said depth guide axis.

Remarks: